

**MARKED-UP VERSION SHOWING CHANGES MADE**

Please cancel claims 3-4, 14, 17-18 without prejudice or disclaimer.

Please amend claims 1, 5-6, 9, 13, 15-16 as follows:

1. (Amended) Aqueous deodorizing [Deodorizing] compositions for human and animal excrement [comprised] consisting essentially of

a carboxylic acid in an amount sufficient to neutralize nitrogenous odor-generating components in said excrement; [acidic agents] and

water soluble film forming polymers in quantities sufficient to form a solid film over the bulk of said excrement upon application.

5. (Amended) Deodorizing compositions according to claim 1, wherein the carboxylic acid is a [acidic agents are] biodegradable carboxylic acid [organic acids or their soluble salts].

6. (Amended) Deodorizing compositions according to claim 5, wherein the biodegradable carboxylic acid is [organic acids are] selected from the group consisting of citric acid, glycolic acid, oxalic acid[,] and polyacrylic acid[s].

9. (Amended) Deodorizing compositions according to claim 1, wherein the water soluble polymers are selected from[:] the group consisting of hydroxyethyl cellulose, polyethylene oxide, polyvinyl pyrrolidone, polyhydroxyethyl (meth)acrylate, polyvinyl alcohol, polyhydroxypropyl methacrylate, and poly(meth)acrylamide.

13. (Amended) Deodorizing compositions according to claim 10 [and] or 11, wherein the Limonene is in a concentration range of 0.01 - 0.005% w/v.

15. (Amended) A method of deodorizing [for applying deodorizing compositions to] human and animal excrement, comprising the steps of: [wherein the compositions, according to claim 1, are in form of a spray and are applied by spraying them on the excrement]

spraying an aqueous deodorizing composition on said excrement, said aqueous deodorizing composition consisting essentially of one or more carboxylic acids in an amount sufficient to neutralize nitrogenous odor-generating components in said excrement, and water soluble film forming polymers in quantities sufficient to form a solid barrier film over the bulk of said excrement; and

allowing the aqueous deodorizing composition to dry until the water soluble film forming polymers form the solid barrier film over the bulk of said excrement, thereby greatly reducing the vapor pressure of offensive odor producing compounds and facilitating easy handling of said deodorized excrement.

16. (Amended) A method of deodorizing [for applying deodorizing compositions to] excrement of at least one of livestock, animal and human, comprising the steps of: [wherein the compositions, according to claim 1, are in liquid form and are applied by mixing them together with the excrement]

mixing an aqueous deodorizing composition with said excrement, said aqueous deodorizing composition consisting essentially of one or more carboxylic acids in an amount sufficient to neutralize nitrogenous odor-generating components in said excrement, and water soluble film forming polymers in quantities sufficient to form a solid barrier film over the bulk of said excrement; and

allowing the aqueous deodorizing composition to dry until the water soluble film forming polymers form the solid barrier film over the bulk of said excrement, thereby greatly reducing the vapor pressure of offensive odor producing compounds and facilitating easy handling of said deodorized excrement.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of :  
Shalom LEVI et al. :  
Serial No. 09/341,237 : Group Art Unit: 1615  
Filed: July 13, 1999 : Examiner: S. Tran  
:

For: COMPOSITIONS FOR ELIMINATING HUMAN AND ANIMAL EXCREMENT  
SMELLS

**PRELIMINARY AMENDMENT**

COMMISSIONER FOR PATENTS  
Washington, D. C. 20231

Sir:

Prior to examination of the above-captioned application as to substance, please amend the claims as follows.

Please cancel claims 3-4, 14, 17-18 without prejudice or disclaimer.

Please amend claims 1, 5-6, 9, 13, 15-16 as follows:

1. (Amended) Aqueous deodorizing compositions for human and animal excrement consisting essentially of

a carboxylic acid in an amount sufficient to neutralize nitrogenous odor-generating components in said excrement; and

water soluble film forming polymers in quantities sufficient to form a solid film over the bulk of said excrement upon application.

5. (Amended) Deodorizing compositions according to claim 1, wherein the carboxylic acid is a biodegradable carboxylic acid.

6. (Amended) Deodorizing compositions according to claim 5, wherein the biodegradable carboxylic acid is selected from the group consisting of citric acid, glycolic acid, oxalic acid and polyacrylic acid.

9. (Amended) Deodorizing compositions according to claim 1, wherein the water soluble polymers are selected from the group consisting of hydroxyethyl cellulose, polyethylene oxide, polyvinyl pyrrolidone, polyhydroxyethyl (meth)acrylate, polyvinyl alcohol, polyhydroxypropyl methacrylate, and poly(meth)acrylamide.

13. (Amended) Deodorizing compositions according to claim 10 or 11, wherein the Limonene is in a concentration range of 0.01 - 0.005% w/v.

15. (Amended) A method of deodorizing human and animal excrement, comprising the steps of:

spraying an aqueous deodorizing composition on said excrement, said aqueous deodorizing composition consisting essentially of one or more carboxylic acids in an amount sufficient to neutralize nitrogenous odor-generating components in said excrement, and water soluble film forming polymers in quantities sufficient to form a solid barrier film over the bulk of said excrement; and

allowing the aqueous deodorizing composition to dry until the water soluble film forming polymers form the solid barrier film over the bulk of said excrement, thereby greatly reducing the vapor pressure of offensive odor producing compounds and facilitating easy handling of said deodorized excrement.

16. (Amended) A method of deodorizing excrement of at least one of livestock, animal and human, comprising the steps of:

mixing an aqueous deodorizing composition with said excrement, said aqueous deodorizing composition consisting essentially of one or more carboxylic acids in an amount sufficient to neutralize nitrogenous odor-generating components in said excrement, and water soluble film forming polymers in quantities sufficient to form a solid barrier film over the bulk of said excrement; and

allowing the aqueous deodorizing composition to dry until the water soluble film forming polymers form the solid barrier film over the bulk of said excrement, thereby greatly reducing the vapor pressure of offensive odor producing compounds and facilitating easy handling of said deodorized excrement.

Please add new claims as follows:

-- 19. Deodorizing compositions according to claim 1, wherein said water soluble film forming polymers have a molecular weight higher than 15,000.

20. Deodorizing compositions according to claim 1, wherein said water soluble film forming polymers are polyacrylic acids.

21. Aqueous deodorizing compositions for human and animal excrement comprising:

a carboxylic acid in an amount sufficient to neutralize nitrogenous odor-generating components in said excrement; and

water soluble film forming polymers in quantities sufficient to form a solid film over the bulk of said excrement upon application, thereby greatly reducing the vapor pressure of offensive odor producing compounds and facilitating easy handling of said deodorized excrement.--

**REMARKS**

Claims 1, 5-6, 7-13, 15-16 and 19-21 are pending in the application.

Claims 1, 5 and 6 have been amended as proposed in the Amendment filed January 29, 2002 in the parent application No. 09/341,237. Claims 9 and 13 have been amended as presented in the Amendment filed May 4, 2000 in the parent application. Amended claims 15-16 are identical to the allowed claims in the parent application except that the limitation of "a molecular weight higher than 15,000" has been removed. New claims 19-21 have been added to provide Applicants with the scope of protection to which they are believed entitled.

No new matter has been introduced through these amendments.

Amended independent claims 1, 15 and 16 define over the art applied in the parent application as indicated by Primary Examiner G. S. Kishore, PhD, and Examiner S. Tran at the January 23, 2002 Interview. Dependent claims 5-6, 7-13 and 19-20 should be considered patentable over the art applied in the parent application for the same reason.

New independent claim 21 is similar to amended claim 1 except, among other things, that the transitional phrase has been changed from "consisting essentially of" to --comprising--. Claim 21 is believed patentable over the art applied in the parent application, at least, because the art fails to disclose, teach or suggest a carboxylic acid **in an amount sufficient to neutralize** nitrogenous odor-generating components in the excrement, and water soluble film forming polymers **in quantities sufficient to form a solid film** over the bulk of said excrement upon application, thereby greatly reducing the vapor pressure of offensive odor producing compounds and facilitating easy handling of said deodorized excrement, as presently claimed.

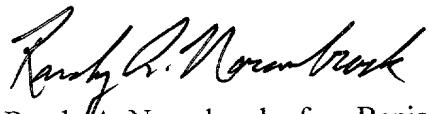
Favorable consideration of the pending claims is courteously solicited.

The Examiner is invited to telephone the undersigned, Applicant's attorney of record, to

facilitate advancement of the present application.

Respectfully submitted,

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